

ABSTRACT

In a luminescence device formed of one or plural layers of organic film between a cathode and an anode, at least one layer is a luminescence layer, and  
5 a luminescence molecule of a metal coordination compound having a basic structure represented by formula (1) below and having a substituent on at least one of cyclic groups A and B is incorporated as a guest in a host material at a concentration of at  
10 least 8 wt. %, which is higher than a concentration at which a luminescence molecule of a similar structure but having no substituent exhibits a maximum luminescence efficiency to form the luminescence layer. As a result, a high-efficiency luminescence  
15 device is provided, which is less liable to cause concentration extinction even when a luminescence molecule is contained at a high concentration relative to the host material in the luminescence layer.

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(1)

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